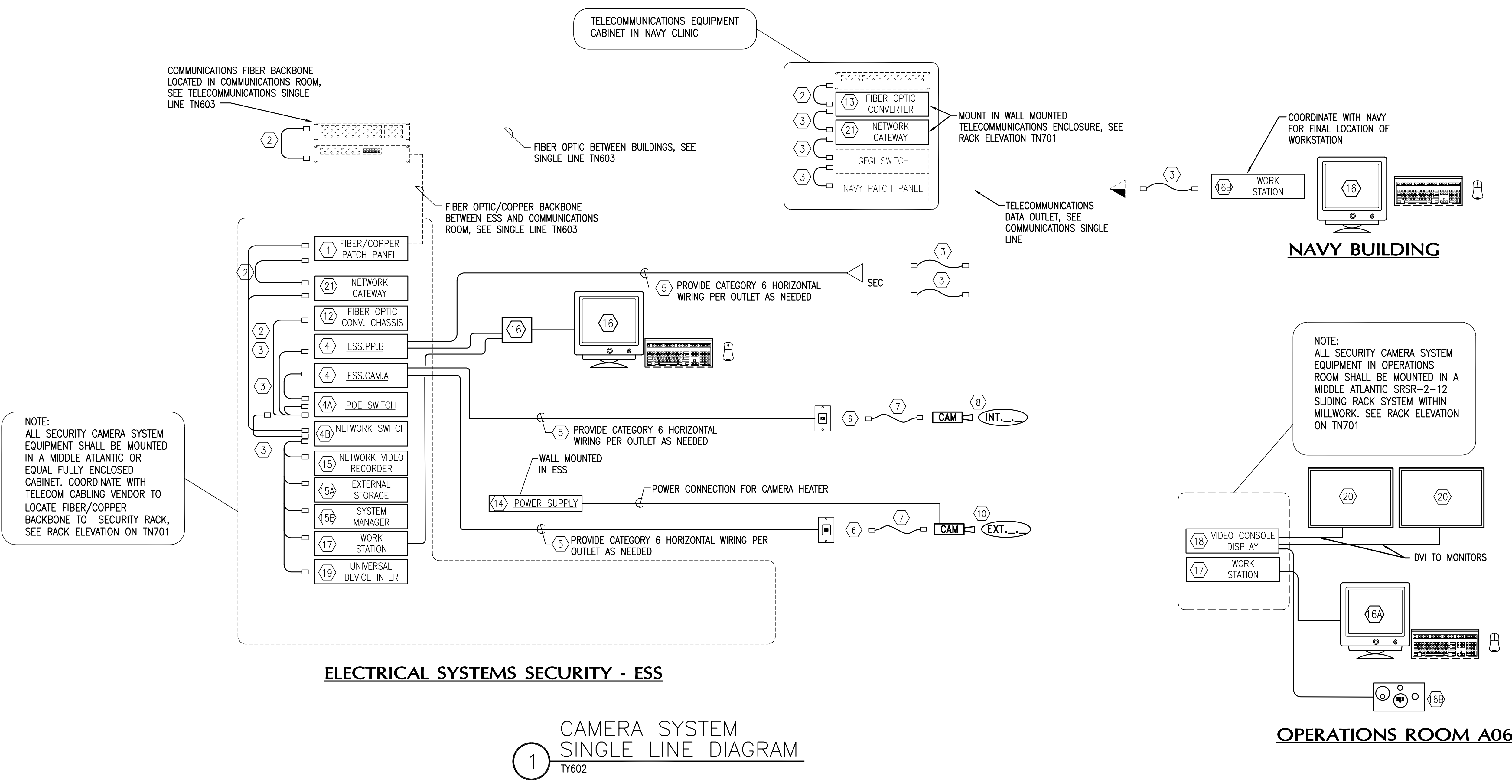


three inches = one foot  
one and one half inches = one foot  
one inch = one foot  
three quarters inch = one foot  
one half inch = one foot  
one eighth inch = one foot  
one quarter inch = one foot  
one eighth inch = one foot  
one eighth inch = one foot

NOTE:  
THE DIAGRAMS AND DETAILS SHOWN WITHIN THESE DRAWINGS ARE INTENDED TO SHOW TYPICAL CABLING AND EQUIPMENT REQUIRED TO MEET THE SPECIFICATIONS. THIS DIAGRAM SHALL NOT BE CONSTRUED AS BEING COMPLETE. ADDITIONAL EQUIPMENT AND/OR CABLING MAY BE REQUIRED FOR THE CCTV SYSTEMS TO PERFORM AS SPECIFIED, INTENDED, AND REQUIRED. THE SECURITY INTEGRATOR CONTRACTOR SHALL FULLY UNDERSTAND THE INTEND OF THE DRAWINGS PRIOR TO SUBMITTING SHOP DRAWINGS, BEGINNING SYSTEM PROGRAMMING, AND BEGINNING INSTALLATION. THE SECURITY CONTRACTOR SHALL PROVIDE A "TURN-KEY" INSTALLATION AND BE RESPONSIBLE FOR ANY ADDITIONAL CABLES OR EQUIPMENT REQUIRED TO CONSTRUCT A COMPLETE AND FUNCTIONAL SYSTEM IN ACCORDANCE WITH THE SPECIFICATIONS AND DRAWINGS.



## CCTV SINGLE LINE DIAGRAM KEY NOTES

- SECURITY FIBER OPTIC/COPPER PATCH BACKBONE PATCH PANEL TO COMMUNICATIONS ROOM. SEE SHEET TN603.
- FIBER OPTIC PATCH CORD, DUAL/SINGLE FIBER, FDDI GRADE MULTIMODE, CONNECTORS EACH END AS REQUIRED, COLOR AQUA. PROVIDE QUANTITIES AND LENGTHS AS REQUIRED.
- EQUIPMENT ROOM DATA PATCH CORDS, FACTORY TERMINATED AND TESTED CATEGORY 6 (MINIMUM) FOUR PAIR 100-OHM UNSHIELDED TWISTED PAIR (UTP) CABLE WITH 24 GAUGE STRANDED COPPER CONDUCTORS, COLOR YELLOW. PROVIDE WITH 8-PIN MODULAR PLUG ON BOTH ENDS AND TIA 568A PIN/PAIR ASSIGNMENTS WITH NO BOOT. FIELD BUILT OR ASSEMBLED PATCH CORDS WILL NOT BE ACCEPTED. PROVIDE PATCH CORD QUANTITIES AND LENGTHS AS SCHEDULED THIS SHEET. PROVIDE DOCUMENTATION OF FACTORY TESTING CATEGORY 6 REQUIREMENTS AT SUBMITTAL.
- TIA CATEGORY 6 HORIZONTAL WIRING PATCH PANEL, 48 PORT, TIA 568A PINOUT. PROVIDE WITH FACTORY ICON/LABEL HOLDERS, DESIGNATION LABELS, REAR CABLE MANAGERS, AND MOUNTING HARDWARE. PROVIDE COLORED SNAP-IN BLANK TAB FOR EACH MODULAR JACK, COLOR TO MATCH CORRESPONDING JACK IN CO. SEE "HORIZONTAL PATCH PANEL LABELING NOTES" FOR TERMINATION SEQUENCE, ROW LABELING, AND IDENTIFICATION TAG.
- 10/100/1000 BASE-TX MANAGED DESKTOP PoE SWITCH, 48 UTP 10/100/1000 BASE-TX COPPER PORTS, MANAGEMENT MODULE, AND GIGABIT ETHERNET FIBER UPLINKS AS REQUIRED.
- 10/100/1000 BASE-TX MANAGED LAYER 3 DESKTOP SWITCH, 24 UTP 10/100/1000 1 GIGABIT BASE-TX COPPER PORTS, MANAGEMENT MODULE, AND GIGABIT ETHERNET FIBER UPLINKS AS REQUIRED. SEE PELCO CCTV SWITCHING REQUIREMENTS FOR ETHERNET SWITCH SPECIFICATIONS.
- TIA CATEGORY 6 HORIZONTAL WIRING, 4 PAIR UTP, 24 GAUGE SOLID COPPER CONDUCTORS, CMR, COLOR GREEN. MAXIMUM INSTALLED LENGTH 90 METERS (295').
- CAT6 OUTLET FOR CAMERA ONLY. FOR PROVIDE PHENOLIC LABEL ABOVE OUTLET INDICATING "CAMERA OUTLET."
- CAMERA PATCH CORDS, FACTORY TERMINATED AND TESTED CATEGORY 6 (MINIMUM) FOUR PAIR 100-OHM UNSHIELDED TWISTED PAIR (UTP) CABLE WITH 24 GAUGE STRANDED COPPER CONDUCTORS, COLOR BLACK. PROVIDE WITH 8-PIN MODULAR PLUG ON BOTH ENDS AND TIA 568A PIN/PAIR ASSIGNMENTS WITH NO BOOT. FIELD BUILT OR ASSEMBLED PATCH CORDS WILL NOT BE ACCEPTED. PROVIDE PATCH CORD QUANTITIES AND LENGTHS AS SCHEDULED THIS SHEET. PROVIDE DOCUMENTATION OF FACTORY TESTING CATEGORY 6 REQUIREMENTS AT SUBMITTAL.
- INTERIOR PTZ CAMERA, FLUSH MOUNT, IP-BASED, POWERED WITH POWER OVER ETHERNET CONNECTION, PELCO S5118-FW1.
- EXTERIOR WALL MOUNTED PTZ DOME CAMERA, MODEL PELCO SPECTRA HD S5118-EG1, WITH IWM SERIES WALL MOUNTED. WEATHERPROOF PENETRATIONS AS NECESSARY. SEE WALL MOUNTED PENDANT CAMERA DETAIL.
- FIBER OPTIC MEDIA CONVERTER CHASSIS, (PELCO RF5000-3U) LOADED WITH MODULES AS REQUIRED TO CONVERT ALL INCOMING VIDEO SIGNALS OVER FIBER TO UTP ETHERNET. FILL UNUSED CHANNELS WITH (PELCO RK5001B-3U FILLER PANELS) AS NECESSARY).
- CAMERA POWER SUPPLY, 4 AMP 24 VAC ALTRONIX ALTV244 OR EQUAL
- NETWORK VIDEO RECORDER CONFIGURE FOR UP TO 15 DAYS AT MAXIMUM RESOLUTION 15 FRAMES PER SECOND OF RECORDED VIDEO (PELCO SERIES NETWORK STORAGE MANAGER NSM5200)
- EXTERNAL RAID DRIVE ARRAY ATTACHED TO NETWORK VIDEO RECORDER, SIZE AS NECESSARY.
- DISTRIBUTED SYSTEM MANAGEMENT AND SECURITY PLATFORM, PELCO SM5000 SYSTEM MANAGER
- RACK MOUNTED INTEGRATED KVM SWITCH WITH RACK-MOUNTED KEYBOARD, MOUSE, AND LCD MONITOR. (MIDDLE ATLANTIC RM-KB-LCD17 OR EQUAL)
- KEYBOARD, MOUSE, AND 21" LCD MONITOR FOR VIDEO MANAGEMENT.
- KEYBOARD, FULLY FUNCTIONALITY MODULAR CONTROLS, PAN/TILT/ZOOM CONTROL, PELCO KBD5000
- WORK STATION, PELCO WS070 ENDURA WORKSTATION WITH WS5200 ADVANCED SYSTEM MANAGEMENT SOFTWARE.
- VIDEO CONSOLE DISPLAY, MULTICHANNEL VIDEO DISPLAY AND USER INTERFACE, PELCO VCD5202
- UNIVERSAL DEVICE INTERFACE, PELCO UD15000-MTRX
- 42" DISPLAY MONITORS FOR CAMERA VIDEO, SHARP PN-E421, SEE DETAILS MONITOR ROUGH-IN AND MOUNTING REQUIREMENTS.
- NETWORK GATEWAY TO PROVIDE INTERCONNECTION/SECURITY/FIREWALL BETWEEN CAMERA SYSTEM NETWORK AND VA MAINTAINED NETWORK FOR REMOTE CONNECTION. COORDINATE WITH VA SECURITY OFFICER IN CHARGE.

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|--|--|---|--|---|--|---|--|-------------------------|--|---|--|
| <b>CONSULTANTS:</b>  |  | <b>ARCHITECT/ENGINEERS:</b>   |  | <b>Drawing Title</b>  |  | <b>Project Title</b>                        |  | <b>Project Number</b>   |  | <b>Office of Construction and Facilities Management</b><br><br>Department of Veterans Affairs |  |
| CIVIL: KENNETH HORNE & ASSOCIATES<br>7201 NORTH 9TH AVENUE, STE. 6<br>PENSACOLA, FLORIDA 32504<br>PH: (850) 471-9005<br>FX: (850) 471-0093 |  | COMM/IDS: SCHMIDT CONSULTING GROUP, INC.<br>40 S. PALAFOX PLACE, STE. 300<br>PENSACOLA, FLORIDA 32502<br>PH: (850) 438-9050<br>FX: (850) 432-8831 |  | SECURITY SINGLE LINE  |  | CONSTRUCT VA OUTPATIENT CLINIC, PANAMA CITY |  | 520-326                 |  |   |  |
| LANDSCAPE ARCHITECT: CSA GROUP, INC.<br>6300 PICCADILLY SQUARE DRIVE<br>MOBILE, ALABAMA 36609<br>PH: (251) 344-4023<br>FX: (251) 344-4052  |  | SURVEYORS: KOI TECHNOLOGIES, INC.<br>10401 HIGHLAND MANOR DRIVE, SUITE 120<br>TAMPA, FLORIDA 33610<br>PH: (813) 740-2300<br>FX: (813) 740-2300    |  | Approved Project Director   |  | Location<br>PANAMA CITY, FLORIDA            |  | Building Number<br>-    |  |   |  |
| Revisions  |  | Date  |  | BES DESIGN/BUILD, LLC<br>766 Middle St, Fairhope, AL 36532<br>Phone: 251.990.5778 Fax: 251.990.3716 |  | Date<br>APRIL 2013                          |  | Checked<br>TAN          |  |   |  |
|  |  |   |  |   |  |   |  | Drawn<br>CEC            |  |   |  |
|  |  |   |  |   |  |   |  | Drawing Number<br>TY602 |  |   |  |
|  |  |   |  |   |  |   |  | Dwg. 6 of 6             |  |   |  |